



HUMIDITY SEPARATORS S25/S PN 63

DESCRIPTION

S-25 series centrifugal separators remove moisture from steam and compressed air pipelines. Steam and compressed air passing through the separator and as a result of centrifugal forces, impact and swirling effects, separate the particles with a heavier specific gravity, such as water and oil droplets, moisture in suspension, dirt and scale.

The condensate collected at the bottom of the separator, must be automatically drained by a suitable steam or compressed air trap. Connections are flanged.

MAIN FEATURES

Several possibilities of installation. No moving parts.



OPTIONS: Zinc plated fabricated carbon steel construction (compressed air) Condensate flanged connection.

USE: Steam, compressed air and other gases (Group 2).

AVAILABLE MODELS: S25/S - carbon steel body.

SIZES: DN15 to DN200.

- PIPE CONNECTIONS: Flanged EN1092-1 PN 63 ANSI Class 600 lbs SW - Socket weld to ANSI B 16.11
- INSTALLATION: Always with the condensate discharge pointing downwards. See IMI, installation and maintenance instructions.
- HOW TO SELECT: Generally, in an existing plant it is advisable to fit a separator of the same size of the pipe line. Pressure drop is normally negligible. For approximate pressure drop calculation please consult.







LIMITING CONDITIONS				
Rating	Press. bar	Temp. ⁰C		
PN63	63	120		
A NSI CL.600lbs	50 *	200		
	40	300		

*PMO-Max.operating pressure for saturated steam. Minimum operating temp.: -10°C. Design code: AD-Merkblatt

CEMARKING - GROUP 2 GASES CAT.					
RATING	SIZE	CAT.			
PN63	DN15 to DN25	1			
	DN32 to DN50	2			
	DN65 to DN100	3			
	DN125 to DN200	4			

CE Marking

This product have been designed for use on water steam, air and other gases which are in Group 2 of the PED-European Pressure Equipment Directive 97/23/EC and it comply with those requirements. The product carries the CE mark when falling in category 1 and above.

	APPROXIMATE DIMENSIONS (mm)									
DN	A EN	В	С	D	E	F **	VOL. dm3	WGT Kg	G SW	WGT Kg
15*	245	114	260	180	80	1/2"	2	5,5	200	4,5
20*	245	114	260	177	83	1/2"	2,5	6,5	190	4,6
25*	265	114	300	218	82	1/2"	3	7,8	205	5,5
32*	295	140	395	295	100	1/2"	5	12,8	238	8,8
40*	295	140	435	333	102	1/2"	5,7	14,4	245	9,7
50	340	168	505	378	127	1/2"	10,5	20,6	300	15,6
65	410	219	550	400	150	3/4"	18,5	33	-	-
80	430	219	610	453	157	3/4"	25	39	-	-
100	510	273	715	520	195	3/4"	35,4	58,5	-	-
125	595	324	845	585	260	1"	50	83	-	-
150	625	356	960	665	295	1"	75	155	-	-
200	680	406	1170	800	370	1"	140	178	-	-

Weight and dimensions to be confirmed in case of order.

* Supplied with flanges PN100

** F-screwed drain connection as standard. Alternativley can be supplied flanged EN1092-1 or ANSI on the same class of main dimensions.

ANSI flanges 600 lbs available on request.

Consult factory for certified dimensions. Dimensions subject to change without notice.

Note: the top of separator is supplied with a threaded connection with size not exceding the size of drain one. This connection is always supplied closed with a threaded socket. It can be used for air vent or balancing pipe connection.





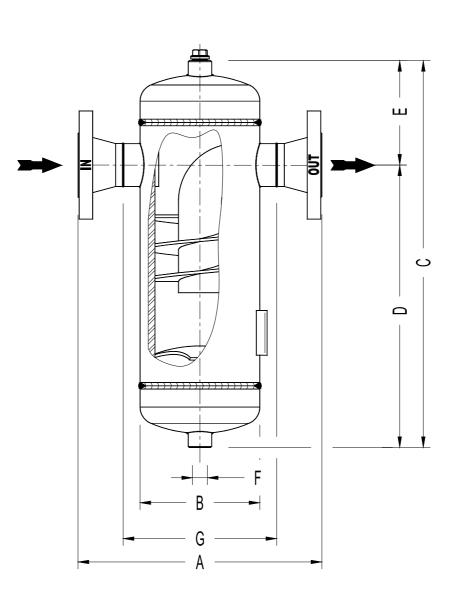
MATERIALS			
DESIGNATION	MATERIAL		
Body	EN10216-2 / P235GH / 1.0305		
Heads	EN10028-2 / P265GH / 1.0425		
Inlet / Outlet pipes	EN10216-2 / P235GH / 1.0305		
DIN flanges	EN10222-2 / P250GH / 1.0460		
ANSI flanges	ASTM A105 / 1.0432		
Sockets	ASTM A105 / 1.0432		
Internals	EN10025-2 / S235JR / 1.0038		

 Rating
 Sep. SIZE
 EN STD.
 ANSI STD.

 005
 PN63
 DN15 to DN40
 EN1092-1 PN100
 ANSI B16.5 CI.600 lbs

 125
 PN63
 DN50 to DN200
 EN1092-1 PN63
 ANSI B16.5 CI.600 lbs

EN10204 3.1 certificate available if requested with the order.





We reserve the right to change the design and material of this product without notice.